

COL Stephen L. Rust *Project Manager*

*Project Manager Instrumentation,
Targets and Threat Simulators*



Mr. J. Russell Longenbach
Mr. Ralph Holweck, Deputy



Mr. Stephen G. Milburn
LTC Al Brown, Deputy

Mr. Mark C. Tutten
LTC Pat Miller, Deputy

- ☐ CADTS
- ☐ DETEC
- ☐ CSI
- ☐ DNM
- ☐ JWTTC
- ☐ MMTS
- ☐ QV
- ☐ STIL

- ☐ MQM 107D&E
- ☐ Virtual Targets
- ☐ BMP3-S
- ☐ Mobile Ground Targets
- ☐ Range Target
- ☐ QUH-1
- ☐ 1/5th Scale Aerial Targets
- ☐ Target Operations

- ☐ **Security Assistance Support**
- ☐ **CC Support**
- ☐ **ASET IV**
- ☐ **XM15S**
- ☐ **XMDEWS**
- ☐ **XM33OS**
- ☐ **XM17S**
- ☐ **XMAC3S**

APBI

Advance Planning Briefing to Industry

PM ITTS: Points of Contact

The Contracting Officer is POC for Programs in Solicitation Phase

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Focus Areas

Instrumentation Management Office:

- ❑ Simulation (ADSP, CSI, DETEC, STIL)
- ❑ Telecommunications—Hard-wire/ Wireless (DETEC, DNM, JWTTTC)
- ❑ Time and Space Position Information (MMTS)
- ❑ Visualization (QV)

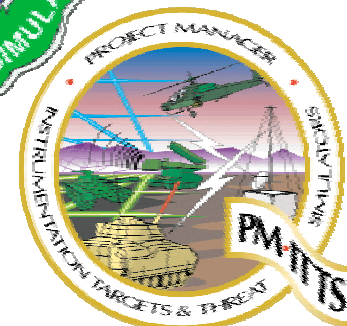
Target Management Office:

- ❑ Aerial Targets (MQM 107 RATO)



Current Contracts

CURRENT	CONTRACTORS	STATUS – OPTION YEARS
CADTS -Active Standoff Test Facility	Battelle Mr. John Moorehead 614-424-5056	Fabrication – No Option Years
CADTS - Joint Ambient Breeze Tunnel	Battelle Mr. John Moorehead 614-424-5056	Fabrication – No Option Years
CADTS - Differential Absorption LIDAR	TBD	RFP In progress – No Option Years
DETEC LSI	SAIC (Albuquerque, NM)	FY04-FY09



Mr. Ralph Holweck Deputy Director

Instrumentation Management Office



Active Dynamic Spectral Projector (ADSP)

Description

The Active Dynamic Spectral Projector (ADSP) will generate and project to the receptor of a standoff detector system a simulated dynamic chemical or biological threat cloud. The simulated cloud will change with time and will also represent different background signatures and typical battlefield interference.



Acquisition Strategy	Funding
Competitive Award STOC	L \$ RDT&E/OPA
Point of Contact	Milestones
Name: Joanne Byrd Phone: (407) 384-3553 (DSN: 970) Email: Joanne.Byrd@peostri.army.mil	<div><div>▲</div><div>RFP</div><div>FY05</div></div> <div><div>▲</div><div>CA</div><div>FY06</div></div>



Crew Station Interface (CSI)

Description

Provides a Crew Station Interface for various rotary wing platforms to determine optimum man-machine interfaces. It also provides connectivity via the Defense Research and Engineer Network to other Service / DoD test sites. Features: interchangeable flight controls, seats, consoles and panels to create a replica of the actual cockpits to recreate the force-feel systems, ergonomic factors and other MANPRINT considerations. This simulator will provide for systems of systems testing in a robust virtual scenario.



Acquisition Strategy	Funding
Competitive Multiple Awards	L \$ RDT&E/OPA
Point of Contact	Milestones
Name: Joanne Byrd Phone: (407) 384-3553 (DSN: 970) Email: Joanne.Byrd@peostri.army.mil	▲ RFP FY 06



Systems Test and Integration Laboratory (STIL)

Description

This project will develop a testing and integration lab for the stimulation, simulation, and integration of all “hardware in the loop” testing of on/off platform aviation electronic components and/or complete systems as part of modernization of Army aircraft. This project will provide capability in developmental testing, engineering, integration to include a virtual test environment integrating appropriate flight dynamics models to support all aircraft system both live and simulated. Will support distributed testing across DTC test centers.



Acquisition Strategy	Funding
Competitive	L \$ RDT&E / OPA
Point of Contact	Milestones
Name: Joanne Byrd Phone: (407) 384-3553 (DSN: 970) Email: Joanne.Byrd@peostri.army.mil	▲ RFP FY 06



Directed Energy Test and Evaluation Capability (DETEC)

Description

12 joint testing capabilities for DE weapons systems:

High Energy Laser (HEL) shortfalls

- Laser and Laser/Target Characterization Instrumentation
- Laser-Hardened Flight Termination Systems, Telemetry, Target Control
- Instrumentation Atmospheric Characterization for Laser T&E

High Power Microwave (HPM) shortfalls

- HPM Predictive Avoidance
- HPM and HPM/Target Characterization Instrumentation
- HPM-Hardened Flight Termination Systems, Telemetry, Target Control Instrumentation
- Surrogate Materials for HE, Fuel, Solid Propellants



Acquisition Strategy

STOC LSI (SAIC) will hire capability developers via 12 separate RFPs. Gov't IPT participates in specifications development and concurrence with source selection.

Point of Contact

DETEC Subcontracts/Procurement Manager

Name: Ms. Kara Vernon

Phone: 407.243.3524

Email: kara.l.vernon@saic.com

Announcements & Info at:
www.detec-team.org

Planned FY06 Capability Awards

L

\$

RDT&E/OPA

- **HEL Airborne Target Irradiance & Imagery Measurement (ATIM)**
- **HPM Hardened Target Subsystem (HTS)**
- **HPM Propagation Energy Measurement (PEM)**
- **HPM Sensor Suite (SS)**
- **HPM Narrowband Surrogate Sources for Threat Systems (R2R4)**

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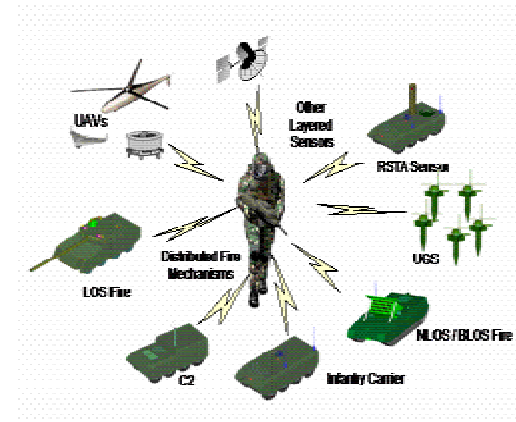


Joint Warfighter Test and Training Capability (JWTTC)

Description

Development of a comprehensive test capability to test and assess:

- The impact of Warfighter performance on the overall performance of a System
- The impact of system operations and the operating environment on the Warfighter



Acquisition Strategy	Funding
Competitive Multiple Awards	L \$ RDT&E / OPA
Point of Contact	Milestones
<p>Name: Paul A. Tennant Deputy Director Future Force Office and Chief, Virtual Proving Grounds Aberdeen Proving Grounds Phone: (410) 278-8642 Email: Paul.Tennant@atc.army.mil</p> <p>Name: Joanne Byrd Phone: (407) 384-3553 (DSN: 970) Email: Joanne.Byrd@peostri.army.mil</p>	<p>▲ RFP 4th Qtr FY06</p>



Mobile Multi-sensor Time and Space Position Information (MMTS) System

Description

The Mobile Multi-sensor TSPI system will provide accurate Time and Space Position Information (TSPI) for kinetic energy missiles, and weapons that fly a low, flat trajectory. Additionally, this system will provide multiple object tracking to provide TSPI for Active Protection System engagements.



Acquisition Strategy	Funding
Competitive	L \$ RDT&E / OPA
Point of Contact	Milestones
Name: Joanne Byrd Phone: (407) 384-3553 (DSN: 970) Email: Joanne.Byrd@peostri.army.mil	▲ RFP TBD



Quantitative Visualization for Test and Evaluation (QV)

Description

Quantitative Visualization (QV) combines real measurements with simulation modeling, Geospatial Information System (GIS) data, and commercial-off-the-shelf networking and display technologies to allow real-time and quantitatively precise visualization of tests.



Acquisition Strategy	Funding
Competitive	L \$ RDT&E / OPA
Point of Contact	Milestones
Name: Joanne Byrd Phone: (407) 384-3553 (DSN: 970) Email: Joanne.Byrd@peostri.army.mil	▲ RFP TBD



*Mr. Stephen Milburn
Director*

Targets Management Office



The MQM-107 is launched with a solid rocket booster achieving an average thrust of 6000 lbs with a burn time of approximately 2.5 seconds.



Funding

L
\$

Milestones

			
RFP	CA	First	Deliveries
Nov	Jan	Art Tst	Begin
05	06	Sep 06	May 07